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Dissertation

[Functional Genomics of Cohesin Acetyltransferases in Human Cells \(2014\)](#)

Mentor

[Prasad Jallepalli, MD, PhD](#)

End Year

2014

Education

Wesleyan University

Publications

[Rahman S, Jones MJ, Jallepalli PV. \(2015\) Cohesin recruits the Escalator acetyltransferase genome wide to repress transcription and promote cohesion in somatic cells. *Proc Natl Acad Sci U S A*, 112, 11270-5. PMID: PMC4568707.](#)

[Cremona CA, Sarangi P, Yang Y, Hang LE, Rahman S, Zhao X. \(2012\) Extensive DNA damage-induced sumoylation contributes to replication and repair and acts in addition to the mec1 checkpoint. *Mol Cell*. 45, 422-32. PMID: PMC3340930](#)

[Terret M, Sherwood R, Rahman S, Qin J, Jallepalli P. \(2009\) Cohesin acetylation speeds the replication fork. *Nature*, 462, 231-234.](#)

[Gao S, Alarcón C, Sapkota G, Rahman S, Chen P, Goerner N, Macias M, Erdjument-Bromage H, Tempst P, Massagué J. \(2009\) Ubiquitin ligase Nedd4L targets activated Smad2/3 to limit TGF-beta signaling. *Mol Cell*, 36, 457-468.](#)

[Burgess RC, Rahman S, Lisby M, Rothstein R, Zhao X. \(2007\) The Slx5-Slx8 complex affects sumoylation of DNA repair proteins and negatively regulates recombination. *Mol Cell Biol*. 27, 6153-62. PMID: PMC1952148](#)

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